

ABSTRACT

A foldable electronic device has a housing (10) and a cover (20). An unfolding apparatus for automatically unfolding the cover consists of an electromagnetic coil (40) in the housing, a magnet (30) in the cover (20), and a controller (50). When the cover is in a closed position, the magnet is parallel to and opposite the electromagnetic coil. The controller is in the housing, and controls connection of the electromagnetic coil to a power supply of the electronic device. When the electromagnetic coil is connected to the power supply, a magnetic field is created around the electromagnetic coil. The magnetic field acts on a magnetic field of the magnet, and causes the magnet to unfold the cover.